


FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 1918-725 CON4 402E-918405 US	SERIAL NO. 09/103,262
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S)' INFORMATION DISCLOSURE STATEMENT	APPLICANT Phillip W. Berman et al.	
 (Use separate sheets if necessary)	FILING DATE June 23, 1998	GROUP ART UNIT 643 1648

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
	A1*	4,725,669	2/88	Essex et al.	530	302	
	A2*	5,166,890	11/92	Shriver et al.	495	5	
	A3						
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FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
	B1*	33320/89	11/89	Australia				
	B2*	63299/90	4/91	Australia				
	B3*	187041	9/86	Europe				
	B4*	0 339 504 A2	11/80	Europe				

OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C1*	Allen et al., "Major glycoprotein antigens that induce antibodies in AIDS patients are encoded by HTLV-III" <i>Science</i> 228 (4703):1001-1004 (May 1985).
C2*	Anderson et al., "Effect of Dose and Immunization Schedule on Immune Response of Baboons to Recombinant Glycoprotein 120 of HIV-1," <i>Jour. of Infectious Diseases</i> , 160(6):960-969 (1989).
C3*	Arthur et al., "Challenge of Chimpanzees (Pan troglodytes) Immunized with Human Immunodeficiency Virus Envelope Glycoprotein gp120," <i>Jour. of Virology</i> 63(12):5046-5053 (1989).

EXAMINER <i>M. New Job</i>	DATE CONSIDERED <i>05/05/05</i>
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	B5*	0335 635 A1	10/89	Europe				
	B6*	WO 89/12095	12/89	PGT				
	B7*	WO 90/02196	3/90	PGT				
	B8*	WO 91/13986	9/91	PGT				

OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C4*	Barin et al., "Virus Envelope Protein of HTLV-III Represents Major Target Antigen for Antibodies in AIDS Patients," Science 220:1094-1096 (1983).
C5*	Berrett et al., "Large-Scale Production and Purification of a Vaccinia Recombinant Derived HIV-1 gp160 and Analysis of Its Immunogenicity," AIDS Research and Human Retroviruses 5(3):159-171 (1989).
C6*	Berman et al., "Expression and Immunogenicity of the Extracellular Domain of the Human Immunodeficiency Virus Type 1 Envelope Glycoprotein, gp160," Jour. of Virology 63(8):3480-3498 (1989).

EXAMINER <i>M. M. J.</i>	DATE CONSIDERED <i>05/05/95</i>
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EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLTN	
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	B9*	WO 93/20104	10/93	PCT				
MB	B10	120284/1989	1989	Japan	—	—		NO
MB	B11	0 315 459 A2	10/89	Europe	—	—		
	B12							

OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)	
C7*	Berman et al., "Human immunodeficiency virus type 1 challenge of chimpanzees immunized with recombinant envelope glycoprotein gp120" Proc. Natl. Acad. Sci. USA 85:5300-5304 (1988).
C8*	Berman et al., "Protection from Genital Herpes Simplex Virus Type 2 Infection by Vaccination with Cloned Type 1 Glycoprotein D." Science 227:1400-1403 (1985).
C9*	Berman et al., "Protection of Chimpanzees From Infection by HIV 1 After Vaccination With Recombinant Glycoprotein gp120 but not gp160," Nature 345:622-625 (1990).

EXAMINER <i>M. James Salazar</i>	DATE CONSIDERED <i>05/05/05</i>
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MFS	C10*	Celltech "CHO cell rgp120" Certificate of Analysis pp.1-2 (Jan., 1990).
	C11*	Chakrabarti et al., "Expression of the HTLV-III Envelope Gene by a Recombinant Vaccinia Virus," Nature 320:535-540 (1986).
	C12*	Clements et al., "The V3 Loops of the HIV-1 and HIV-2 Surface Glycoproteins Contain Proteolytic Cleavage Sites: A Possible Function in Viral Fusion" AIDS Research and Human Retroviruses 7:3-16 (1991).

EXAMINER <i>M. Shaver</i>	DATE CONSIDERED <i>05/05/00</i>
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	B17							
	B18							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C13*	Decroix et al., "Vaccine protection against simian immunodeficiency virus infection," <i>Proc. Natl. Acad. Sci. USA</i> 86:6353-6357 (1989).
C14*	Eshay et al., "Status of immune-based therapies in HIV infection and AIDS," <i>Clin. exp. Immunol.</i> 88:1-5 (1992).
C15*	Fanci et al., "Development and Evaluation of a Vaccine for Human Immunodeficiency Virus (HIV) Infection," <i>Annals of Internal Med.</i> 110(5):373-385 (1989).

EXAMINER

M. J. [Signature]

DATE CONSIDERED

05/05/08

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	B21							
	B22							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C16*	Fox, JI, "No Winners Against AIDS," <i>BioTechnology</i> 12:128 (Feb. 1994).
C17*	Homsy et al., "The Fc and Not CD4 Receptor Mediates Antibody Enhancement of HIV Infection in Human Cells," <i>Science</i> 244:1357-1360 (1989).
C18*	Hu et al., "Effect of Immunization With a Vaccinia HIV env Recombinant on HIV Infection of Chimpanzees," <i>Nature</i> 328:721-723 (1987).

EXAMINER <i>W. J. Jones</i>	DATE CONSIDERED <i>05/10/98</i>
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	B25							
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C19*	Hu et al., "Expression of AIDS virus envelope gene in recombinant vaccinia viruses," <i>Nature</i> 320:537-540 (1986).
C20*	Jahvarian et al., "Principal neutralizing domain of the human immunodeficiency virus type 1 envelope protein," <i>Proc. Natl. Acad. Sci. USA</i> 86:6768-6772 (1989).
C21*	Kitchen et al., "Aetiology of AIDS - antibodies to human T cell leukaemia virus (type III) in haemophiliacs," <i>Nature</i> 312:367-369 (1984).

EXAMINER

M. J. ...

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							yes	no
	B29							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C22*	Kraut et al., "Characterization of a monoclonal antibody specific for the HIV-1 precursor glycoprotein," <i>AIDS</i> 2:17-24 (1988).
C23*	Dooly, Laurence A., "Current Status of the Development of an AIDS Vaccine," <i>Crit. Revs. in Immunology</i> 9(3):153-172 (1989).
C24*	Dooly et al., "Delineation of a Region of the Human Immunodeficiency Virus Type 1 gp120 Glycoprotein Critical for Interaction with the CD4 Receptor," <i>Cell</i> 50:975-985 (1987).

EXAMINER

M. J. [signature]

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							yes	no
	B33							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

	C25*	Sasly et al., "Neutralization of the AIDS Retrovirus by Antibodies to a Recombinant Envelope Glycoprotein," <i>Science</i> 233:209-212 (1986).
	C26*	Letwin et al., "AIDS-like Disease in Macaque Monkeys Induced By Simian Immunodeficiency Virus: A Vaccine Trial," <i>Vaccine</i> 87:209-213 (1987).
WCS	C27	Liou, Ruey-Shyan et al., "A Chimeric Mouse-Human Antibody That Retains Specificity For HIV gp120 And Mediates The Lysis of HIV-Infected Cells," <i>Journal of Immunology</i> 143:3967-3975 (Dec. 1989).

EXAMINER <i>W. Murray Kelly</i>	DATE CONSIDERED <i>05/05/05</i>
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							yes	no
	B37							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C28*	Leeney et al., "Type Restricted Neutralization of Molecular Clones of Human Immunodeficiency Virus," <i>Science</i> 241:357-359 (1988).
C29*	Matsushita et al., "Characterization of a Human Immunodeficiency Virus Neutralizing Monoclonal Antibody and Mapping of the Neutralizing Epitope," <i>Jour. of Virology</i> 62(6):2107-2114 (1988).
C30*	Medrow et al., "Computer-Assisted Analysis of Envelope Protein Sequences of Seven Human Immunodeficiency Virus Isolates: Prediction of Antigenic Epitopes in Conserved and Variable Regions," <i>Jour. of Virology</i> 61(3):570-578 (1987).

EXAMINER <i>JA [Signature]</i>	DATE CONSIDERED <i>05/08/00</i>
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	B42							
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C31*	Murphy-Corb et al., "A Formalin-Inactivated Whole GPV Vaccine Confers Protection in Macaques," <i>Science</i> 211:1293-1297 (1980).
C32*	Newmark, Peter, "Receding Hopes of AIDS vaccines," <i>Nature</i> 333:600 (1988).
C33*	Dalkar et al., "Type-specific neutralization of the human immunodeficiency virus with antibodies to env-encoded synthetic peptides," <i>Proc. Natl. Acad. Sci. USA</i> 85:1032-1036 (1988).

EXAMINER <i>JM Jones</i>	DATE CONSIDERED <i>05/05/95</i>
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C34*	Prince et al., "Failure of a Human Immunodeficiency Virus (HIV) Immune Globulin to Protect Chimpanzees Against Experimental Challenge With HIV," <i>Proc. Natl. Acad. Sci. USA</i> 85:6944-6948 (1988).
C35*	Robey et al., "Prospect for prevention of human immunodeficiency virus infection: Purified 120 kDa envelope glycoprotein induces neutralizing antibody," <i>Proc. Natl. Acad. Sci.</i> 83:7023-7027 (1986).
C36*	Robey, W.G. et al., "Characterization of envelope and core structural gene products of HTLV-III with sera from AIDS patients," <i>Science</i> 228 (4699):593-595 (May 3, 1985).

EXAMINER

W. M. Jones, Jr.

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08/05/08

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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)		
C37*	Robinson, Jr. et al., "Antibody-Dependent Enhancement of Human Immunodeficiency Virus Type 1 Infection," <i>The Lancet</i> 790-794 (1989).	
C38*	Robinson, Jr. et al., "Human Monoclonal Antibodies to the Human Immunodeficiency Virus Type 1 (HIV-1) Transmembrane Glycoprotein gp41 Enhance HIV-1 Infection in vitro," <i>Proc. Natl. Acad. Sci. USA</i> 87:3185-3189 (1990).	
C39*	Rusche et al., "Antibodies That Inhibit Fusion of Human Immunodeficiency Virus-infected Cells Bind a 24-amino Acid Sequence of the Viral Envelope, gp120," <i>Proc. Natl. Acad. Sci. USA</i> 85:3198-3202 (1988).	

EXAMINER <i>M. Kraus</i>	DATE CONSIDERED <i>05/05/08</i>
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C40*	Salk et al., "Control of Influenza and Poliomyelitis with Killed Virus Vaccines," <i>Science</i> 105:834-847 (1977).
C41*	Salk, Jones, "Prospects for the Control of AIDS by Immunizing Seropositive Individuals," <i>Nature</i> 927:473-476 (1987).
C42*	Stephens et al., "A chink in HIV's armour?" <i>Nature</i> 343:319 (1999).

EXAMINER <i>W. James J. [Signature]</i>	DATE CONSIDERED <i>05/05/05</i>
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	Phillip W. Berman et al.	
	FILING DATE	GROUP ART UNIT
	June 23, 1998	1643

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
	A141						
	A142						
	A143						
	A144						
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	A150						

FOREIGN PATENT DOCUMENTS								
EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
	B57							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)		
MPS.	C43	Thiriart, Clotilde et al., "Several Antigenic Determinants Exposed on the gp120 Moiety of HIV-1 gp160 Are Hidden on the Mature gp120," <i>Journal of Immunology</i> 143:1832-1836 (Sept., 1989)
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EXAMINER <i>M. Xian</i>	DATE CONSIDERED <i>05/05/05</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).	

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S) INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 14918-725 CON4	SERIAL NO. 09/103,262
	APPLICANT Phillip W. Berman et al.	
	FILING DATE June 23, 1998	GROUP ART UNIT 1643

REFERENCE DESIGNATION
U.S. PATENT DOCUMENTS

EXAMR INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
	A151						
	A152						
	A153						
	A154						
	A155						
	A156						
	A157						
	A158						
	A159						
	A160						

FOREIGN PATENT DOCUMENTS

EXAMR INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
	B61							
	B62							
	B63							
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OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

	C46*	Veronesi et al., "Characterization of gp41 As the Transmembrane Protein Coded by the HTLV-III/LAV-Envelope Gene" Science 229:1402-1405 (1985).
MFJ	C47	Yoshida, Nobuko et al., "Metacyclic Neutralizing Effect of Monoclonal Antibody 10D8 Directed to the 35- and 50-Kilodalton Surface Glycoconjugates of <i>Trypanosoma cruzi</i> ," <i>Infection and Immunity</i> 57:6:1663-1667 (June 1989).
	C48*	Zagury et al., "Immunization Against AIDS in Humans," Nature 326:249-250 (1987).

EXAMINER <i>McNamee</i>	DATE CONSIDERED <i>05/05/05</i>
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LIST OF PATENTS AND PUBLICATIONS FOR
APPLICANT(S)' INFORMATION DISCLOSURE
STATEMENT

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ATTY. DOCKET NO.

14918-725 CON4

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09/103,262

APPLICANT

Phillip W. Berman et al.

FILING DATE

June 23, 1998

GROUP ART UNIT

1643

REFERENCE DESIGNATION

U.S. PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	Subclass	Filing Date If Appropriate
	A151						
	A152						
	A153						
	A154						
	A155						
	A156						
	A157						
	A158						
	A159						
	A160						

FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLATN	
							yes	no
	B61							
	B62							
	B63							
	B64							

OTHER ART (Include Author, Title, Date, Pertinent Pages, etc.)

C49*	Zagury et al., "A group specific anamnestic Immune Reaction Against HIV-1 Induced by a Candidate Vaccine Against AIDS," <i>Nature</i> 332:728-731 (1988).
C50*	Zerling et al., "T cell responses to human AIDS virus in Macaques Immunized With Recombinant Vaccinia Viruses," <i>Nature</i> 323:344-346 (1986).

EXAMINER

M. D. Saliz

DATE CONSIDERED

05/05/00

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